

Authority View

A Publication of The Association of Environmental Authorities

40th Anniversary

Rick Dovey takes the Gavel

In this Issue:

Status of The
New Jersey State
Water Supply Plan **8**

Integrated Demand
Response For
A Smarter
Grid **10**

New Jersey Enacts
Legislation to
Reform Pension
Contributions
and Amend
Benefits to
Government
Employee **16**

Rutgers
Center
for
Management
Development **19**



At the AEA Annual meeting on November 16, 2010 Rick Dovey of the Atlantic County Utilities Authority became the twentieth utility manager to serve as president of AEA. He does this in a year that marks the 40th anniversary of the association.

Authorities have been experiencing many changes over the past few years. Your association has tried to support you with necessary information presented during events such as this one.

Rick wants to know how the association can be of further service. What is it that you need to know? How can the association support you? He welcomes your ideas.

AEA Utility Management Conference March 8 & 9, 2011 • Trump Marina TCH credits available Theme: AEA Forty and Going Strong

June marks the 40th anniversary of the first formulation meeting of AANJ/AEA. Nine authorities met for lunch to form an organization to address the common concerns of environmental authorities. Every authority was under construction. More advanced treatments were needed and the cost of these systems would have taken up all of the bonded indebtedness of municipalities. Regional facilities were formed to share large expenses for services that would only grow, and independent governmental units were needed to set the rates and fees necessary to maintain and operate critical water, wastewater and solid waste facilities.

It is time to remind the new public officials of how authorities built New Jersey's infrastructure which has been and continues to be the lynch pin in NJ's economy. The infrastructure is now endangered by short term thinking. Asset management needs to take a higher priority. AEA is advancing this concept with legislation. All members are needed on board to also send this message.

As the speakers at this conference update managers with important information that they need in order to make sound decisions, the need for new ideas continues. The Wave Awards demonstrate how

continued on page 2

MEMBER NEWS

by Karen Burris

Lambertville Municipal Utilities Authority names new executive director

The Lambertville Municipal Authority (LMUA) has appointed **Thomas F. Horn** as the new Executive Director. Mr. Horn replaces **James Meehan**, who is moved on to the Rahway Valley Sewerage authority as Executive Director.

Mr. Horn brings to the LMUA more than 30 years of aggressive and diversified experience in the water resources field. He holds both a Bachelor Degree and Masters Degree in Civil Engineering with an emphasis on environmental issues. He is also a licensed professional engineer and has earned Critical Operator's Licenses which are specific to operating a Municipal Authority Utility.

Mr. Horn has also served as the President of the Association of Environmental Authorities.

2010 Energy Star CHP Award is presented to the Landis Sewerage Authority for their Combined Heat and Power Project



EPA recently recognized the outstanding pollution reduction and energy efficiency qualities of this project by presenting the **Landis Sewerage Authority** with a 2010 ENERGY STAR CHP Award.

Landis Sewerage Authority (LSA) has taken a diverse approach toward implementing its goal of becoming one of the most environmentally-friendly wastewater treatment plants in the New Jersey. With the objective of achieving a near-zero carbon footprint and optimizing the recycling and reuse of byproducts from the treatment process, LSA uses treated biosolids to fertilize 550 acres of corn, hay, straw and

southern yellow pine trees, and operates a windmill, solar array and CHP system to generate electricity for the facility.

A portion of the biogas produced by a wastewater treatment plant's anaerobic digester is typically used to heat water for use on site. The remainder is flared and goes unused. LSA realized this traditional approach presented an opportunity for increased energy savings and instead utilizes the otherwise-wasted biogas to fuel a 170 kW CHP system. In addition, heat produced by the system's internal combustion engine is captured and used to produce hot water for facility space heating and to warm the anaerobic digester. **Biogas and electricity production are maximized by a digestion-enhancing natural peat extract from Prodex.**

The CHP system requires approximately 34 percent less fuel than would be used by a typical energy supply system. Consequently the CHP system effectively reduces CO2 emissions by more than 800 tons per year. This reduction is equivalent to the annual emissions from more than 140 passenger vehicles.

Andrew M. Brewer named Partner

Congratulations to Andrew M. Brewer on becoming a partner in the law firm of Maraziti, Falcon & Healey.

Students get hands-on lesson in water pollution at the Mount Laurel Township MUA

Adapted from a story by: *KRISTEN COPPOCK Burlington County Times*

Recently, the MLTMUA employees made presentations to four groups of third-grade students that showed how the water cycle works. Before working with the model, Chuck Bernheimer, the MUA's operations supervisor gave an interactive presentation with photographs showing manholes, storage tanks, treatment plants and storm drains.

Asking and responding to questions, he talked about how water moves naturally and through the municipal system. The children learned about watersheds, runoff and precipitation, as well as the difference between storm sewers, which simply funnel fluids to large bodies of water, and wastewater, which is treated.

According to Chuck Bernheimer, the MUA's operations supervisor, only 3 percent of the Earth's water is drinkable. He said two-thirds of the clean water is frozen, leaving only 1 percent naturally fresh. The rest requires treatment before it can be ingested safely.